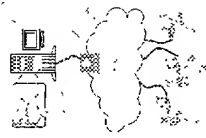
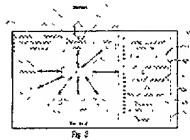


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1. The first step is to identify the problem or question that needs to be addressed. This involves understanding the context and the specific requirements of the task.

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1. *Chlorophyll a* (Chl a) is the primary photosynthetic pigment in most plants and algae. It is a green pigment that absorbs light energy in the blue and red regions of the visible spectrum.

2. *Chlorophyll b* (Chl b) is an accessory pigment that absorbs light energy in the blue and red regions of the visible spectrum. It transfers energy to Chl a for use in photosynthesis.

3. *Carotenoids* are accessory pigments that absorb light energy in the blue and green regions of the visible spectrum. They transfer energy to Chl a and Chl b for use in photosynthesis.

4. *Xanthophylls* are a type of carotenoid that absorb light energy in the blue and green regions of the visible spectrum. They transfer energy to Chl a and Chl b for use in photosynthesis.

5. *Phycobilins* are accessory pigments found in cyanobacteria and red algae. They absorb light energy in the blue and green regions of the visible spectrum and transfer energy to Chl a for use in photosynthesis.